Ant4Eclipse

Ant4Eclipse

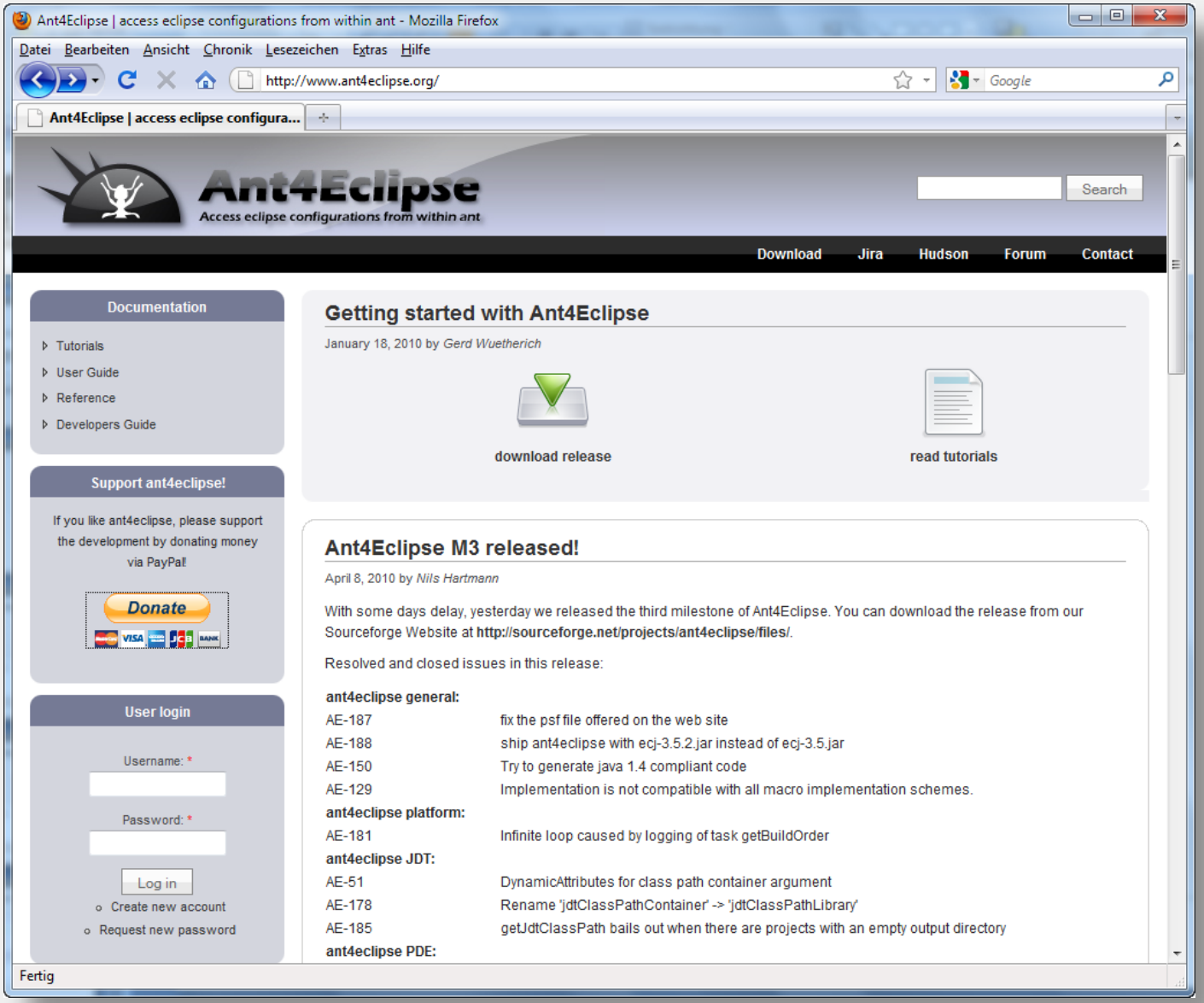
» Open-Source-Projekt (*http://www.ant4eclipse.org*)

Ant-Tasks zum Auslesen und Verarbeiten von Eclipse Projekt-Informationen

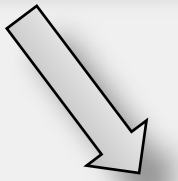
» Seit Juni 2005

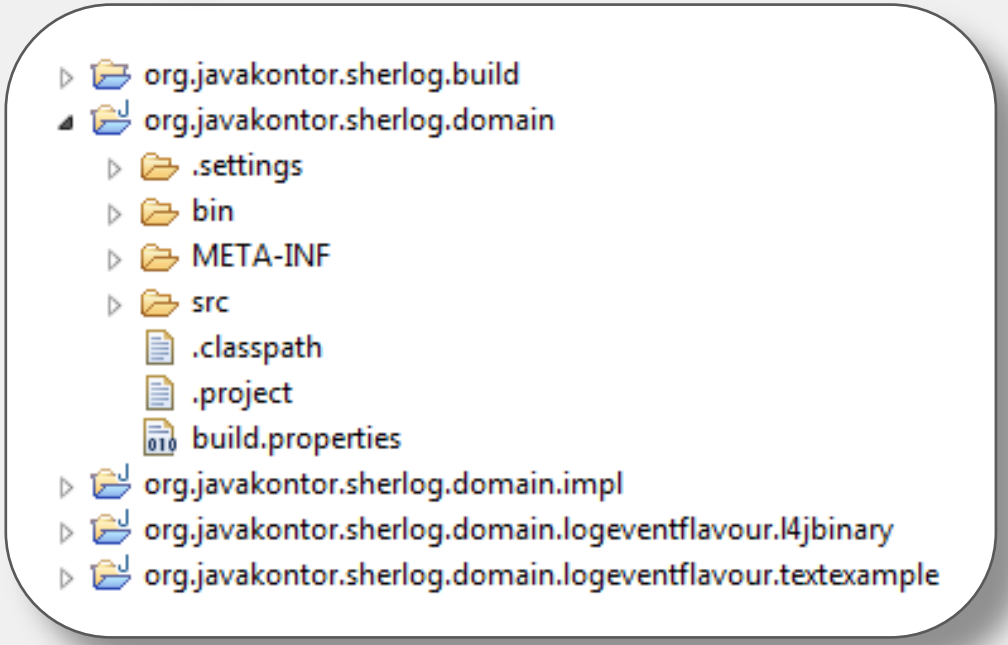
» Seit ca. 10/2007 PDE-Support

Ant4Eclipse II

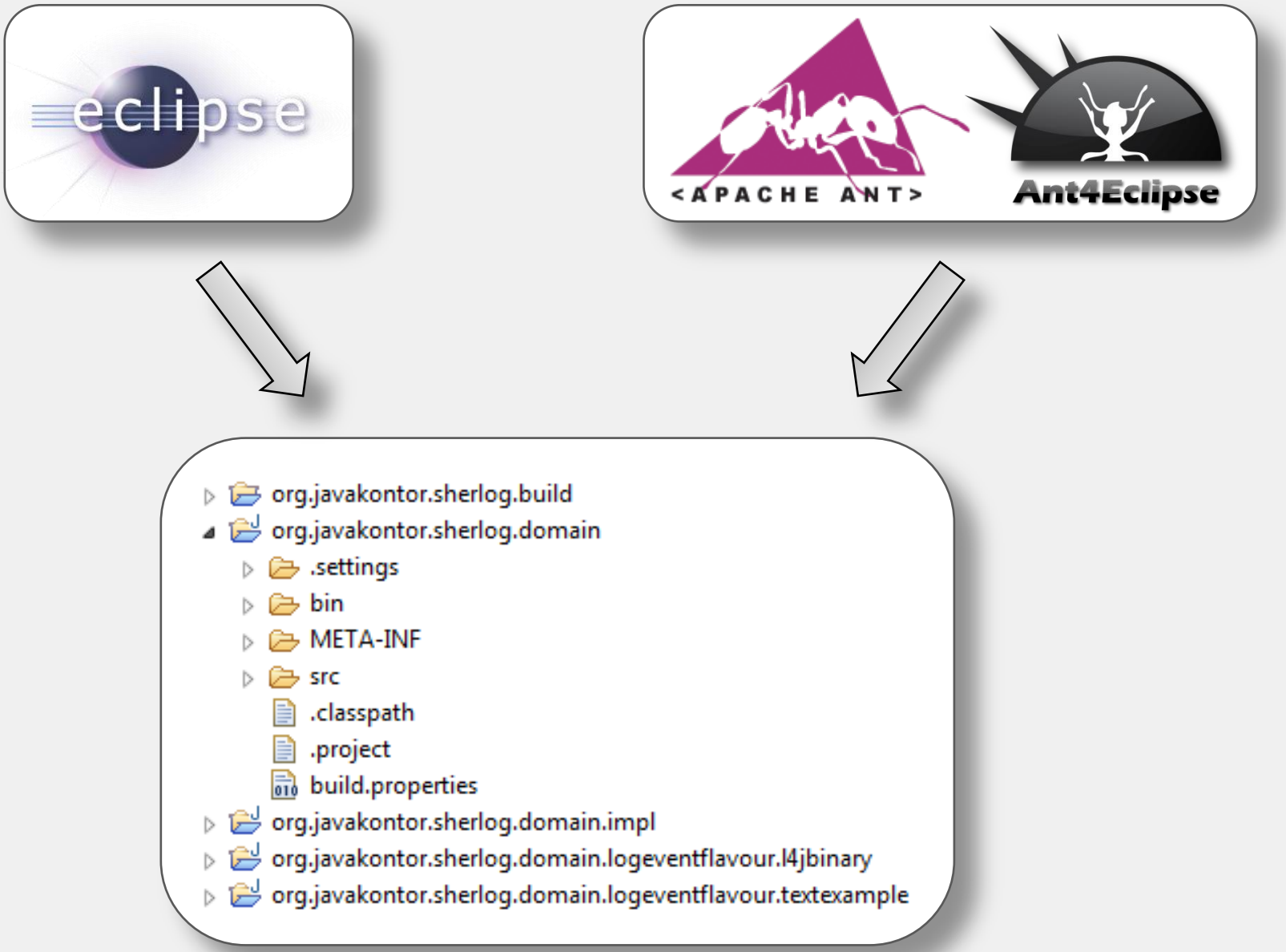


Ant4Eclipse - Grundidee





Ant4Eclipse - Grundidee

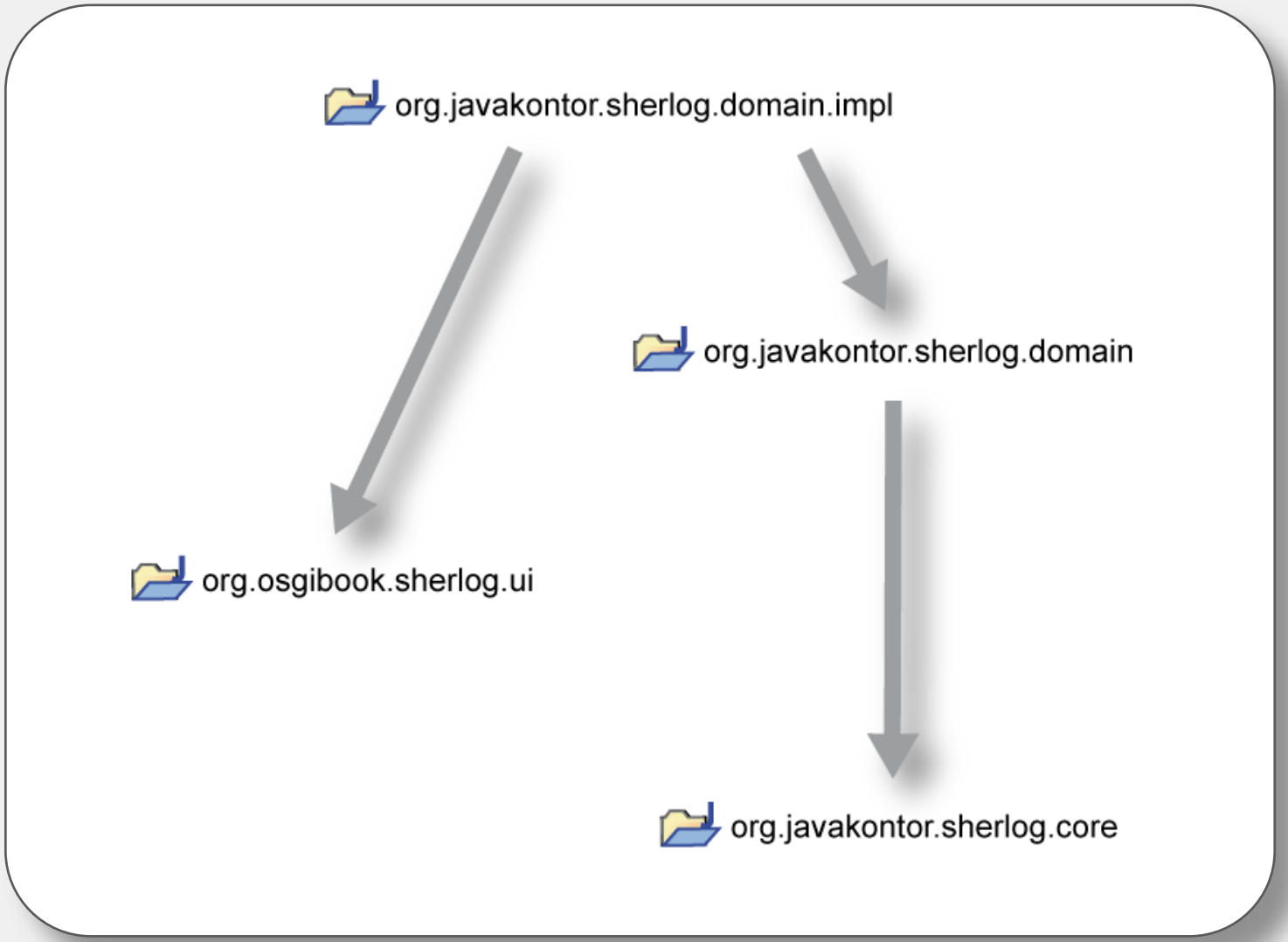


Ant4Eclipse – Beispiel 1

build.xml

```
<?xml version="1.0"?>
<project name="ant4eclipse-build" xmlns:ant4eclipse="antlib:org.ant4eclipse">

    <taskdef uri="antlib:org.ant4eclipse"
             resource="org/ant4eclipse/antlib.xml" />

    <!-- ================================
          target: build
         ================================ -->
    <target name="build">

        <ant4eclipse:getJdtClassPath workspace="${basedir}/.."
                                     projectName="example-project"
                                     pathId="classpathId"
                                     property="classpathProperty" />

        <echo>${classpathProperty}</echo>

    </target>

</project>
```

Ant4Eclipse – Project Sets



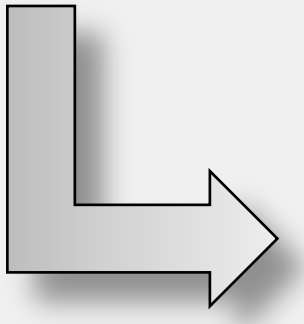
Ant4Eclipse – Beispiel 2

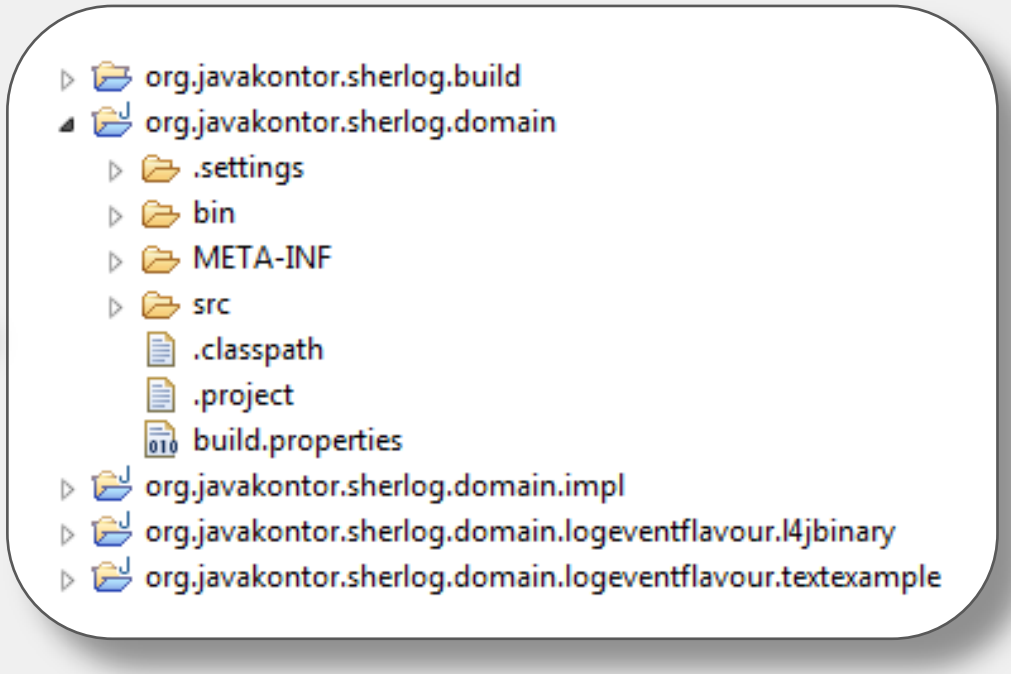
build.xml

```
<?xml version="1.0"?>
<project name="ant4eclipse-build" xmlns:ant4eclipse="antlib:org.ant4eclipse">

    <taskdef uri="antlib:org.ant4eclipse"
             resource="org/ant4eclipse/antlib.xml" />

    <!-- ================================
          target: build
         ================================ -->
    <target name="build">

        <ant4eclipse:getBuildOrder workspaceDirectory="${basedir}/.."
                                   teamprojectset="projectSet.psf"
                                   buildOrderProperty="buildOrder" />

        <echo>${buildOrder}</echo>

    </target>

</project>
```

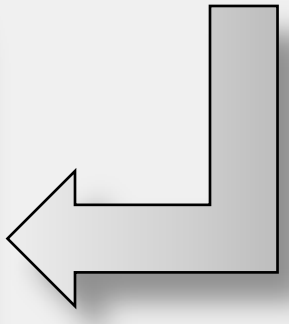
Ant4Eclipse – Executors

For each output folder…





For each project…



Ant4Eclipse – Beispiel 3

build.xml

```xml
<?xml version="1.0"?>
<project name="ant4eclipse-build" xmlns:ant4eclipse="antlib:org.ant4eclipse">

    <taskdef uri="antlib:org.ant4eclipse"
             resource="org/ant4eclipse/antlib.xml" />

    <!-- ================================
          target: build
         ================================ -->
    <target name="build">

        <ant4eclipse:executeProjectSet workspaceDirectory="${basedir}/.."
                                       projectNames="example-project"
                                       prefix="executeProjectSet">

            <ant4eclipse:forEachProject>
                <echo>Project name: ${executeProjectSet.project.name}</echo>
                <echo>Project directory: ${executeProjectSet.project.directory}</echo>
                <echo>Java project: ${executeProjectSet.org.eclipse.jdt.core.javanature}</echo>
            </ant4eclipse:forEachProject>

        </ant4eclipse:executeProjectSet>

    </target>

</project>
```

Ant4Eclipse PDE

RequiredPlugins-Container

Target Platform

Ant-Macros

Access Restrictions

Ant4Eclipse – PDE Macros

build-plugins.xml

```
<?xml version="1.0"?>
<project name="build.ant4eclipse"
         default="build"
         xmlns:ant4eclipse="antlib:org.ant4eclipse">

  <import file="${basedir}/../org.ant4eclipse.ant.pde/macros/a4e-pde-macros.xml" />

  <!-- define your jdk location here -->
  <ant4eclipse:installedJREs>
    <jre id="jdk16" location="R:/software/jdk/jdk16" />
  </ant4eclipse:installedJREs>

  <!-- define the target platform location -->
  <ant4eclipse:targetPlatform id="target.platform">
    <location dir="${basedir}/target.platform/eclipse35" />
  </ant4eclipse:targetPlatform>

  <!-- the build target -->
  <target name="build">

    <buildPlugin workspaceDirectory="${basedir}/.."
                 projectname="myPluginProject"
                 targetplatformid="target.platform"
                 destination="c:\tmp" />

    <buildFeature workspaceDirectory="${basedir}/.."
                  projectName="myFeatureProject"
                  targetplatformid="target.platform"
                  destination="c:\tmp" />

  </target>

</project>
```

Ant4Eclipse in Action

Danke! Fragen?